

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

Docket Number  
10191/2232

Application Number  
To Be Assigned

Filing Date  
Herewith

Examiner  
To Be Assigned

Art Unit  
To Be Assigned

Title  
**METHOD OF ADAPTIVE ADJUSTMENT OF  
THE COEFFICIENTS OF AN EQUALIZER**

Applicant(s)  
**Gerhard HERBIG et al.**

Address to:  
Assistant Commissioner  
for Patents  
Washington, D.C. 20231

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicant(s) hereby bring the following reference(s) to the attention of the Examiner. The reference(s) are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed, except as otherwise indicated on the modified PTO form 1449.

Dated: 1/23/2002

By: Richard L. Mayer

Richard L. Mayer (Reg. No. 22,490)

KENYON & KENYON  
One Broadway  
New York, N.Y. 10004  
(212) 425-7200 (telephone)  
(212) 425-5288 (facsimile)

CUSTOMER NO. 26646

10/031782

JG13 PCT/PTO 23 JAN 2002

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449</b>	<b>ATTY. DOCKET NO.</b> <b>10191/2232</b>	<b>SERIAL NO.</b> Not yet assigned
	<b>APPLICANT(s)</b>  <b>Gerhard HERBIG et al.</b>	
	<b>FILING DATE</b> Herewith	<b>GROUP</b> Not yet assigned

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Ungerboeck G: "Fractional Tap-Spacing Equalizer and Consequences for Clock Recovery in Data Modems" <i>IEEE Transactions on Communications</i> , US, IEEE Inc. New York, vol. COM-24, no. 8, August 1976, pages 856-864*
		Qureshi, S.U H et al: "Performance and Properties of a T/2 Equalizer" <i>NTC. Conference Record</i> , vol. 1, December 5, 1977, pages 111-1-111-09, page 4, right-hand column, line 22-35, page 5, left-hand column, line 19-37*
		Schenk, H et al: "Messtechnische Untersuchungen Zur Datenuebertragung Ueber Fernsprechkanaele Mit Hilfe Eines Flexible Experimentiersystemes. Practical Investigations of Data Transmission Over Telephone Channelsby a Flexible Experimental System" <i>Frequenz</i> , DE, Schiele Und Schon GmbH. Berlin, vol. 34, no. 4, April 1980, pages 109-117*
		K.D. Kammeyer: <i>Nachrichtenuebertragung [Telecommunication]</i> , B. G. Teubner Verlag, Stuttgart, 1992, pages 313-316, 510-512
		J.G. Proakis: <i>Digital Communications</i> , McGraw-Hill, 1989, pages 561-569, 587-593
		Giltin et al: "The Tap Leakage Algorithm: an Algorithm for the Stable Operation of a Digitally Implemented, Fractionally Spaced Adaptive Equalizer" <i>BSDJ</i> , no. 8, vol. 61, October 1982, pages 1817-1839

\* Copy of reference is not enclosed because reference is cited and described in Search Report (copy of reference provided by International Searching Authority).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	